

Search Report

STIC Database Tracking Number 28

To: CHRISTOPHER KOHARSKI

Location: RND-6D74

Art Unit: 3763

Thursday, January 15, 2009

Case Serial Number: 09/143503

From: TERRENCE SOLOMON

Location: EIC3700

RND-8B31

Phone: (571)272-3509

terrence.solomon@uspto.gov

Search Notes

US patent 5554121 is not involved in any current or past litigated cases.

Sources:

- Lexis/Nexis
- Courtlink
- Questel-Orbit



280210 (08) 5554121 September 10, 1996

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5554121

Get Drawing Sheet 1 of 1 Access PDF of Official Patent * Order Patent File History / Wrapper from REEDFAX® Link to Claims Section

September 10, 1996

Intraluminal catheter with high strength proximal shaft

REEXAM-LITIGATE: March 23, 1998 - Reexamination requested Mar. 23, 1998 by David M. Crompton, Crompton, Seager and Tufte, Reexamination No. 90/004,946 (O.G. May 19, 1998) Ex. Gp.: 3734

April 9, 1997 - Reexamination requested Apr. 9, 1997 by David M. Crorepton, Nawrocki, Rooney & Sivertson, Reexamination No. 90/004602 (O.G. May 27, 1997) Ex. Gp.: 3306

REISSUE: August 28, 1998 - Reissue Application filed Ex. Gp.: 3306; Re. S.N. 09/143,503 (O.G. September 19, 2000)

APPL-NO: 280210 (08)

FILED-DATE: July 25, 1994

GRANTED-DATE: September 10, 1996

ASSIGNEE-PRE-ISSUE: November 25, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ADVANCED CARDIOVASCULAR SYSTEMS, INC. 3200 LAKESIDE DRIVE SANTA CLARA, CA 95052-8167, Reel and Frame Number: 007266/0619

ASSIGNEE-AT-ISSUE: Advanced Cardiovascular Systems, Inc., Santa Clara, California, United States (US), United States company or corporation (02)

LEGAL-REP: Crosby, Heafey, Roach & May

CORE TERMS: catheter, tubular, proximal, distal, shaft, dilatation, polymer, balloon, guidewire, lumen ...

Source: Legal > / . . . / > Utility, Design and Plant Patents [i] -

Terms: patno=5554121 (Edit Search | Suggest Terms for My Search)

View: Custom

Segments: Assignee, Cert-correction, Legal-rep, Legal-status, Lit-reex, Opposition, Patno, Reexam-cert, Reexam-litigate,

Reissue, Reissue-comment, Title

Date/Time: Thursday, January 15, 2009 - 9:07 AM EST



About LexisNexis | Terms & Conditions | Contact Us Lexis Nexis® Copyright © 2009 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

Patent Search 5,554,121 1/15/2009

No cases found.

```
PLUSPAT - (c) Questel, All Rights Reserved.
RELOADED 02/2008 Comprehensive Worldwide Patents database
                                ** SS 1: Results 1
                             PRT SS 1 MAX 1 LEGALALL
       PLUSPAT - @Questel - image
Patent Number :
  US5554121 A 19960910 [US5554121]
Patent Number 2 :
  US5554121 B1 19980714 [US5554121]
Title :
  (A) Intraluminal catheter with high strength proximal shaft
Patent Assignee :
  (A) ADVANCED CARDIOVASCULAR SYSTEM (US)
Patent Assignee :
  Advanced Cardiovascular Systems, Inc., Santa Clara CA [US]
Patent Assignee 2 :
   (B1) ADVANCED CARDIOVASCULAR SYSTEM (US)
Inventor(s):
   (A) AINSWORTH ROBERT D (US); CHENG TAI C (US); WASICEK LAWRENCE D
Application Nbr :
  US28021094 19940725 [1994US-0280210]
Priority Details :
  US28021094 19940725 [1994US-0280210]
Intl Patent Class :
   (A) A61M-029/00
IPC Advanced All:
  A61L-029/00 [2006-01 A L I R M JP]; A61L-029/06 [2006-01 A - I R M EP];
  A61L-029/14 [2006-01 A - I R M EP]; A61M-025/00 [2006-01 A - I R M EP];
  A61M-029/02 [2006-01 A - I R M EP]
IPC Core All :
  A61L-029/00 [2006 C - I R M EP]; A61M-025/00 [2006 C - I R M EP];
  A61M-029/02 [2006 C - I R M EP]
EPO ECLA Class :
  A61L-029/06 C08L-071:00
  A61L-029/06 C08L-081:06
  A61L-029/14
  A61M-025/00S3 ·
  A61M-029/02
EPO ICO Class :
  K61M-025/00S1
  ORIGINAL (O): 604103100; CROSS-REFERENCE (X): 604524000
Document Type :
   Corresponding document
 Citations :
   US5139496 [US5139496] 606023000
   -US5176637 [US5176637] 604096000
   -US5213574 [US5213574] 604093000
   -US5258160 [US5258160] 264558000
   -US5259839 [US5259839] 604099000
   -US5270086 [US5270086] 604096000
   -US5304134 [US5304134] 604096000
   -US5316706 [US5316706] 264025000
   -US5344400 [US5344400] 604096000
   -US5423754 [US5423754] 604096000
   -EP0171884 [EP-171884]
   -EP0452595 Al [EP-452595]
 Publication Stage :
   (A) United States patent
 Publication Stage 2:
```

Selected file: PLUSPAT

(B1) Reexam. Certif., n-nd reexam.

Abstract :

A balloon dilatation having a relatively stiff proximal catheter shaft which is formed at least in part of an engineering thermoplastic polymer material with a tensile strength of at least about 10,000 psi, an elongation of at least 50% and a tensile modulus of at least 300,000 psi. The polymer is preferably an aromatic polymer, and particularly polyetheretherketone.

1 / 1 LGST - ©EPO Patent Number : US5554121 A 19960910 [US5554121] US5554121 B1 19980714 [US5554121] (B1) Reexam. Certif., n-nd reexam. Application Number : US28021094 19940725 [1994US-0280210] Publication actions : 19940725 US-API [POS; EXM] FILING DETAILS US28021094 19940725 [1994US-0280210] 19960910 US-A [POS; EXM] Patent US5554121 A 19960910 [US5554121] 19980714 US-B1 [POS; PIF] Reexam. Certif., n-nd reexam. US5554121 B1 19980714 [US5554121] Action Taken : 19941125 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: ADVANCED CARDIOVASCULAR SYSTEMS, INC. 3200 LAKESID; EFFECTIVE DATE: 19941025 19941125 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: CHENG, TAI C.; EFFECTIVE DATE: 19940928 19941125 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: WASICEK, LAWRENCE D.; EFFECTIVE DATE: 19941031 19941125 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: AINSWORTH, ROBERT D.; EFFECTIVE DATE: 19941025 19970527 US/RR-A [POS; OPP] REQUEST FOR REEXAMINATION FILED EFFECTIVE DATE: 19970409 19980519 US/RR-A [POS; OPP] REQUEST FOR REEXAMINATION FILED EFFECTIVE DATE: 19980323 19980714 US/B1-A [POS; OPP] REEXAMINATION CERTIFICATE FIRST REEXAMINATION 20000919 US/RF-A (OPP) REISSUE APPLICATION FILED EFFECTIVE DATE: 19980828 Lasted Event Group : OPP

Alive Update Code: 2003-22

1 / 1 CRXX.- @CLAIMS/RRX

Patent Number :

5,554,121 A 19960910 [US5554121]

Patent Assignee :

Advanced Cardiovascular Systems Inc

Actions :

19970409 REEXAMINATION REQUESTED

Issue Date of O.G.: 19970527

Reexamination Request Number: 90/004602

David M. Crorepton, Nawrocki, Rooney & Sivertson, Minneapolis, MN

19980223 REEXAMINATION REQUESTED

Issue Date of O.G.: 19980519

Reexamination Request Number: 90/004946

David M. Crompton, Crompton, Seager and Tufte, Minneapolis, MN

19980714 REEXAMINED CERTIFICATE B15554121, SEQUENCE 3574th REQUEST - 90/004602, David M. Crorepton, Nawrocki, Rooney & Sivertson, Minneapolis, MN, US (19970409) CLAIM - AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT: The patentability of claims 1-6 is confirmed. New claims 7-17 are added and determined to be patentable. 1. A balloon dilatation catheter comprising: a) a proximal catheter shaft portion formed at least in part of an extruded engineering thermoplastic polymeric material with a tensile strength greater than 10,000 psi, an elongation greater than 50% and a tensile modules greater than 300,000 psi, having proximal and distal ends and having a first inner lumen extending therein to the distal ends; b) a distal catheter shaft portion being more flexible than the proximal catheter shaft portion, having proximl and distal ends and a second inner lumen extending from the proximal end of the distal shaft portion to a location proximal to the distal end of the distal catheter shaft portion and being in fluid communication with the first inner lumen extending within the proximal catheter shaft portion; and c) an expandable dilation balloon on the distal catheter shaft portion having an interior in fluid communication with the second inner lumen extending within the distal shaft portion.

19980828 REISSUE REQUESTED Issue Date of O.G.: 20000919 Reissue Request Number: 09/143503

Examination Group responsible for Reissue process: 3306

Session finished: 15 JAN 2009 Time 15:12:48

QUESTEL.ORBIT thanks you. Hope to hear from you again soon.